SPRINKLER IRRIGATION DATA SHEET

SWCD			FIELD OFFICE		
		ENG.JOB CLASS_			
PRC	GRAM	CONTRACT NO	CIN	FIELD NO	
1.	RESOURCE ARE	EA	DESIGN SOIL NAME		
	DESCRIPTION	OF SOIL			
	RESOURCE ARE	EA	, DESIGN AREA_		acres
2.	CROPS:				acres
	b.				acres
	С.				acres
	d.				acres
3.	WATER SUPPLY	Y:	TOTAL		acres
		UPPLY: (Reservoir, Well, Streservoir: SERVOIR: STORAGE AVAILABLE FOR IRRIGATION			
	b. WEI	LL: MEASURED CAPACITY			gpm
		STATIC LEVEL			ft
		MAXIMUM PUMPING LIFT			ft
	c. STF	REAM: MEASURED FLOW (Season of Pe			gpm
		DISTANCE OF SUPPLY SOURCE TO			
		ELEVATION DIFFERENCE SOURCE			
4.					
		moves desired per day			
	Type of pow	wer to be used			

5.	SHOW		a. Source of Waterb. Major ElevationDifferencesc. Row Direction			i	e. Plan of Operation f. Field Obstructions (Gullies, Trees, Buildings, etc.)				
. —			d.	Sprinkler 	System Layo	out 🤉	g. North Ari				
		•									
											•
 	•	٠			٠	٠				•	
	•	•				٠				•	

		FIELD NUMBER:		[SYSTEM DESIGN
6. SOIL IN			· ·	·	·
a. SOIL	(unit, name, or group)	.			
b. MOIS	TURE HOLDING CAPACITY (in/ft)	<u> </u>	.	
c. BASI	C INTAKE RATE (in/hr)			·	
7. CROP IN	FORMATION:	I	'	. ' '	I
	OF CROP	.	[
b. ACRE	AGE TO BE GROWN			. ' ' '	
c. MOIS	T. EXTRACTION ROOT DEPTH (ft)		. ' ' '	
d. IRRI	GATION INTERVAL (days)		<u> </u>	. ' ' '	
e. USE	RATE (in/day)			·	
8. DESIGN	PROCEDURE:	I	'	. ' '	I
a. AVAI	LABLE WATER SUPPLY (GPM)		1	1 1	
b. APPL	ICATION RATE (in/day)		 		
c. TIME	PER LATERAL SET (hrs)			.	
d. GROS	S WATER APPL./IRRIGATION.(in)	l	.	
e. WATE	R APPLICATION EFFICIENCY (%)			.	
f. NET	WATER APPL./IRRIGATION. (in)		 	.	
g. LATE	RAL SETTINGS PER DAY		 	·	
h. DAYS	OF OPERATION PER INTERVAL		' 	· '	
i. *QUA	NTITY OF WATER REQUIRED (gpm)	<u> </u>	. ' ' '	
(8d) GROSS	WATER APPLIED PER IRRIGATIO	N =	I	. ' ' '	1
(34) 01(000					
	gpm (8a) x days (7d) x 453 xacreage gr	hrs (8c) own (7b)	= <u>In</u>	· •	
(8i) QUANI	TY OF WATER REQUIRED TO MEET	PEAK USE =			
453 x		s gross applicat	<u>ion</u> = _	GPM	
	hours opr. per day x	days per irrigat	ion		

. SYSTEM SPECIFICATION	ONS: (sideroll.	handmove)	•				rage 4
a. Sprinkler spaci	ing	ft, La	teral spaci	 Ing		ft	
b. Nozzle size Capacity_ c. Max. length lat	X					_	
Capacity	GPM @		PSI or _		ft		
c. Max. length lat	ceral (1)	ft, S	ize	ins.	,No. of Sp	rinklers	
	(4)	IL, U	125	T113.	, NO. OI DP.	TILVICIO	
d Pressure loss i e. Total no. of la	in lateral line		PSI	or		_ ft.	
e. Total no. of la	aterals	; N	o operating	g simul	taneously $_$		
Total no. of sp	orinklers						
f. Design capacity	<i>!</i>						
f. Design capacity g. No. of valves		; size		_ and s	pacing		on
main line							
. SYSTEM SPECIFICATI	IONS: (center-p:	ivot, line	ar move)				
				or		ft.	
a. Pressure loss i b. Length of later	ral	ft.	 ft.		ft.		ft.
c. Lateral Pipe Si	ize	in.	in.		in.		 in.
d. Sprinkler spaci	ıng	it.					
e. Height of nozzl	Le above ground	_	ft.				
f. Height of later	ral pipe above (ground		ft.			
f. Type of sprinkl	ler						
g. Operating Press	sure at last no:	zzle	PSI				
h. Maximum downhil	ll elevation di:	fference i	n lateral _		ft.		
	d to ground unde						
i. Maximum uphill					ft.		
(From pivot pad			zzle.)				
j. Design Capacity	<i>!</i>	GPM.					
k. Operating press	sure at pivot po	oint	PSI				
ttach pipeline design	n information (:	if applica	ble).				
ESIGNED BY					DATE		
HECKED BY					_DATE		
PPROVED BY					_DATE		
HIS PRACTICE MEETS SE	PECIFICATIONS						
EMARKS/EXCEPTIONS							
IGNED					_DATE		